



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,619	06/12/2006	Seung Jin Oh	Ik-0138	2053
34610 7590 12/24/2008 KED & ASSOCIATES, LLP P.O. Box 221200 Chantilly, VA 20153-1200				
EXAMINER MCLAREN, STEPHANIE D				
ART UNIT		PAPER NUMBER		
3744				
MAIL DATE		DELIVERY MODE		
12/24/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/582,619

Applicant(s)

OH, SEUNG JIN

Examiner

STEPHANIE MCLAREN

Art Unit

3744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-893)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date 6/12/06

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamo (JP 2002-243354, abstract, drawings) in view of Yun (2001/0052741).

With regards to claim 1, Kamo discloses: a communication pad mounting structure of a refrigerator, comprising: a seating space provided at a door for selectively opening and closing a storage space formed in a main body of the refrigerator such that a front face thereof is open (see fig. 1, fig. 10); a communication pad detachably seated in the seating space, the communication pad inputting operational signals and displaying a variety of information to the outside (3, see fig. 10, abstract); a supporting means provided in the seating space, the supporting means supporting the communication pad (4, 19, 20, see fig. 10,11).

Kamo fails to disclose: a connecting means for pivotably connecting the supporting means in the seating space, whereby the communication pad can be selectively located at a position out of the seating space. Yun teaches: a connecting means for pivotably connecting the supporting means in the seating space, whereby the

communication pad can be selectively located at a position out of the seating space (see fig. 2b, 5b).

It would have been obvious to one having ordinary skill in the art at the time of invention to provide a means for partially removing the communication pad while leaving it still attached to the refrigerator for easier access during programming.

With regards to claim 2, Kamo discloses: a holder for supporting at least two surfaces of the communication pad in such a manner that the communication pad is mounted in the holder of which a front surface is partially opened so that the communication pad can be seen from the outside (4, 19, see fig. 10).

With regards to claim 3, Yun teaches: a slot formed long at a side of the seating space; and a link portion for connecting the holder and the slot so that the holder can be tilted 25 from side to side along the slot (slot 22a supports pin 11, see fig. 2b).

With regards to claim 4, Yun teaches: a pair of links (pin 11), wherein an end of each of the links is connected to the slot in order to pivot and move along the slot, and the other end of each of the links is pivotably connected to a side of the holder (see fig. 2b).

With regards to claim 5, Yun teaches: the other ends of the links connected to the holder are connected pivotably about the same rotational shaft (axis of rotation centered on pin 11).

With regards to claim 6, Yun teaches: the links are formed in a curved shape with the same radius of curvature (the pins are round).

With regards to claim 7, Kamo discloses: a communication pad mounting structure of a refrigerator, comprising: a seating space formed at a surface of the refrigerator so that a front of the seating space is opened (see fig. 1, 10); a communication pad detachably seated in the seating space, the communication pad providing signals at least from one side to the other side between the refrigerator and a user (3, see fig. 10, abstract); a supporting means for supporting the communication pad so that at least a front surface of the communication pad is exposed to the outside (see fig. 10, 11).

Kamo fails to disclose: a connecting means for pivotably connecting the supporting means in the seating space. Yun teaches: a connecting means for pivotably connecting the supporting means in the seating space, whereby the communication pad can be selectively located at a position out of the seating space (see fig. 2b, 5b).

It would have been obvious to one having ordinary skill in the art at the time of invention to provide a means for partially removing the communication pad while leaving it still attached to the refrigerator for easier access during programming.

With regards to claim 8, Kamo discloses: a holder for supporting upper and lower ends of the communication pad, wherein a front of the holder is partially opened so that the communication pad is seen from the outside, and at least a side of the holder is opened so that the communication pad is slidably mounted (see fig. 10, 11).

With regards to claim 9, Kamo discloses: a pair of slots formed long from side to side at upper and lower ends of the seating space (see fig. 10).

Yun teaches: a pair of links, each of which has an end connected to the slot to pivot and move along the slot and the other end pivotably connected to a side of the holder, whereby the holder can be tilted from side to side along the slot (pins 11 & 12).

With regards to claim 10, Yun teaches: the other ends of the links connected to the holder are connected pivotably about the same rotational shaft, and the links are formed in a curved shape with the same radius of curvature (the pins are round).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to STEPHANIE MCLAREN whose telephone number is (571) 270-7127. The examiner can normally be reached on Monday - Friday 9:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frantz F. Jules can be reached on (571) 272-6681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SDM/

12/19/08

/Frantz F. Jules/
Supervisory Patent Examiner, Art Unit 3744